



COLUMBIA RIVER INTER-TRIBAL FISH COMMISSION

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TO: Technical Management Team (TMT)
 FROM: Kyle Dittmer, *Hydrologist - Meteorologist*, CRITFC Hydro Program
 DATE: August 9, 2006
 SUBJECT: Summary of Pool Operations – 2006 Summer Treaty Fishery

CRITFC submitted four System Operation Requests (2006-C1, C2, C3, and C4) via the NMFS' TMT forum to support 2006 summer treaty fishing. CRITFC requested two criteria: (1) one-foot elevation bands and (2) stable pool elevations during each week of treaty fishing. Criterion #1 asked to operate the pools as a hard constraint within a one-foot elevation range for all of the Zone 6 pools (i.e. Bonneville, The Dalles, and John Day). The Corps committed to a hard constraint of a 1.5-foot range, or 1-foot as a soft constraint, as they have done so since 1996, but only for the Bonneville pool.¹ The table summarizes the hourly compliance of CRITFC's 1-foot elevation band criteria and the Corps' 1.5-foot criteria during the 2006 and 2005 treaty fisheries.

2006	Bonneville Pool	The Dalles Pool	John Day pool
1 foot range (CRITFC):			
JUNE 20 - JUNE 22	89%	82%	100%
JUNE 27 - JUNE 29	93%	49%	100%
JULY 3 - JULY 7	97%	77%	100%
JULY 10 - JULY 13	98%	76%	98%
JULY 17 - JULY 20	86%	44%	95%
JULY 24 - JULY 27	92%	42%	100%
Average:	93%	62%	99%
2005 average:	78%	75%	89%
1.5 foot range (COE):			
JUNE 20 - JUNE 22	100%	98%	100%
JUNE 27 - JUNE 29	100%	59%	100%
JULY 3 - JULY 7	100%	86%	100%
JULY 10 - JULY 13	100%	87%	100%
JULY 17 - JULY 20	100%	80%	100%
JULY 24 - JULY 27	100%	81%	100%
Average:	100%	82%	100%
2005 average:	95%	85%	97%

Pool elevation data is a good objective measure as to the absolute pool fluctuations (Criterion #2) as shown in Figures 1 through 18. There were improvements to Bonneville pool operations in 2006 (0.3 – 0.9 foot swings compared to 0.4 – 2.4 foot swings in summer 2005). The Dalles pool saw 1.3 – 2.5 foot swings (compared to 0.8 – 2.5 foot swings in summer 2005). John Day pool saw 0.3 – 0.8 foot swings (compared to 0.5 – 1.3 foot swings in summer 2005).

cc: CRITFC Hydro Program (Heinith, Lorz) and Fish Management Division (Ellis, Matylewich)

¹ CRITFC's member tribes are currently engaged in policy discussions with the Corps NWD commanders regarding providing appropriate pool operations for all of Zone 6 during the treaty fisheries.

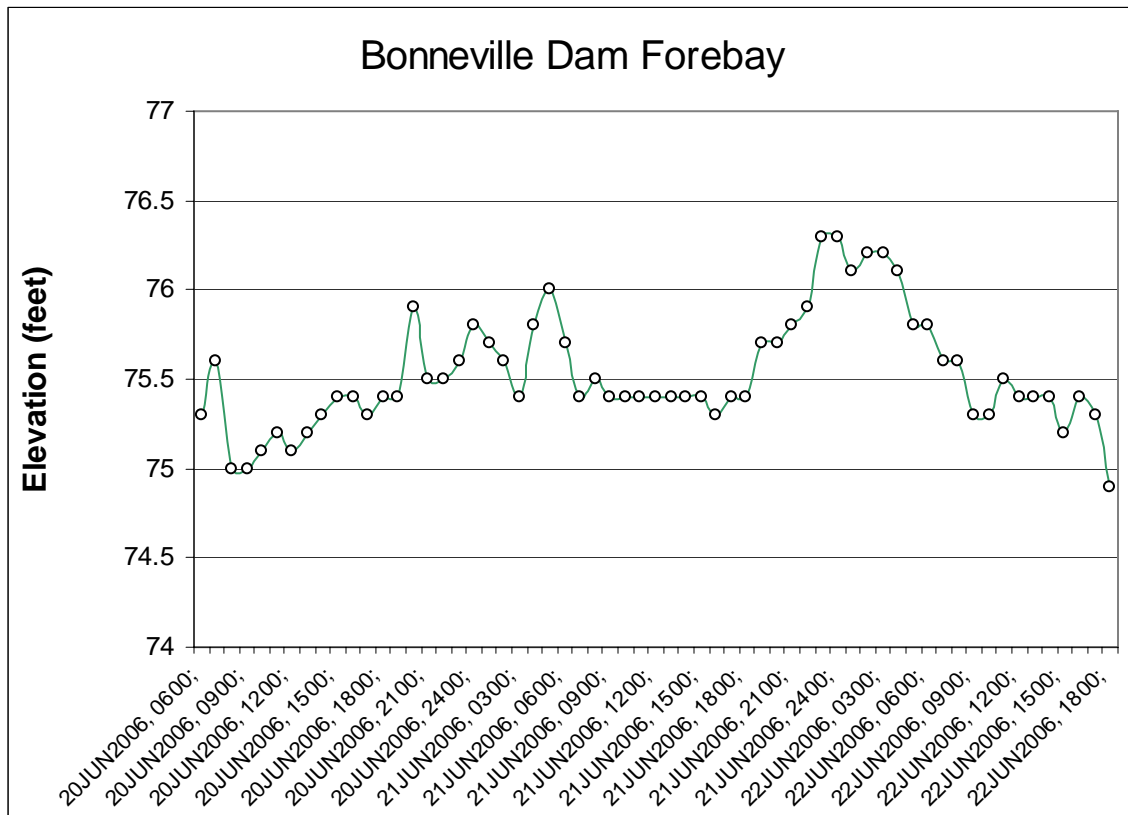


Figure 1. Observed BON pool elevations during June 20-22, 2006 summer treaty fishing.

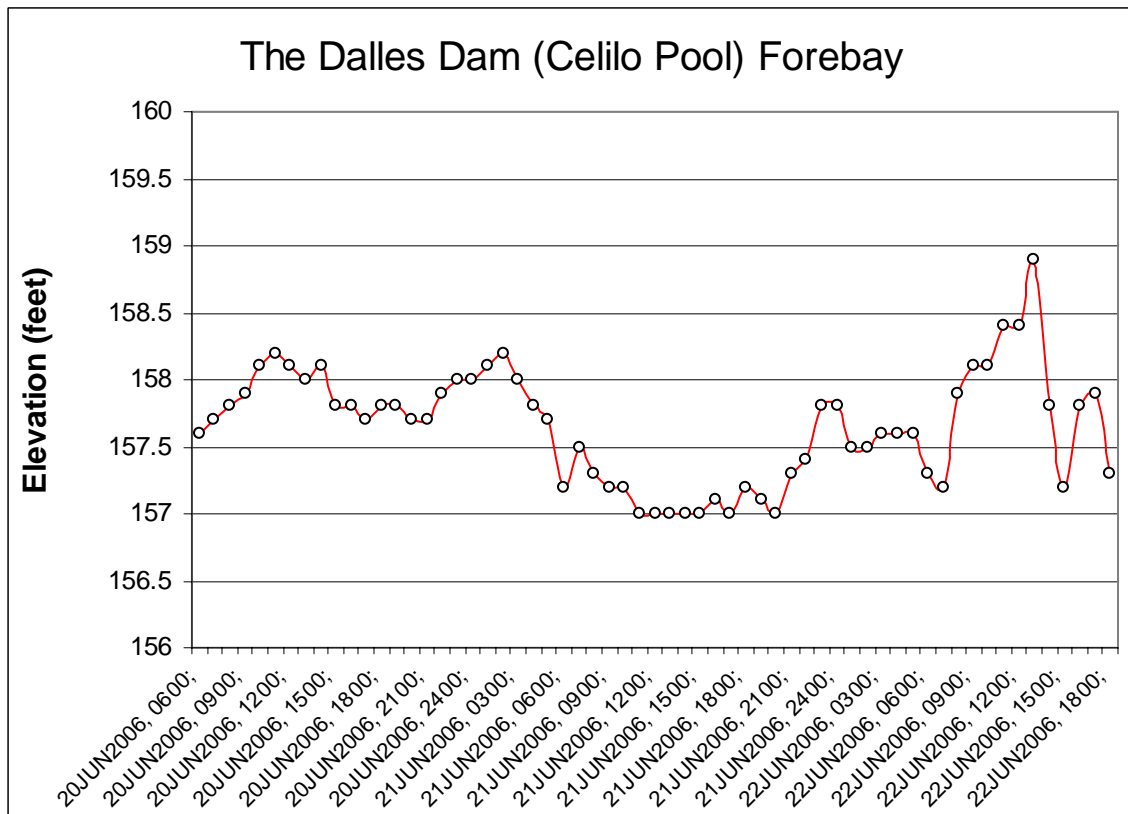


Figure 2. Observed TDA pool elevations during June 20-22, 2006 summer treaty fishing.

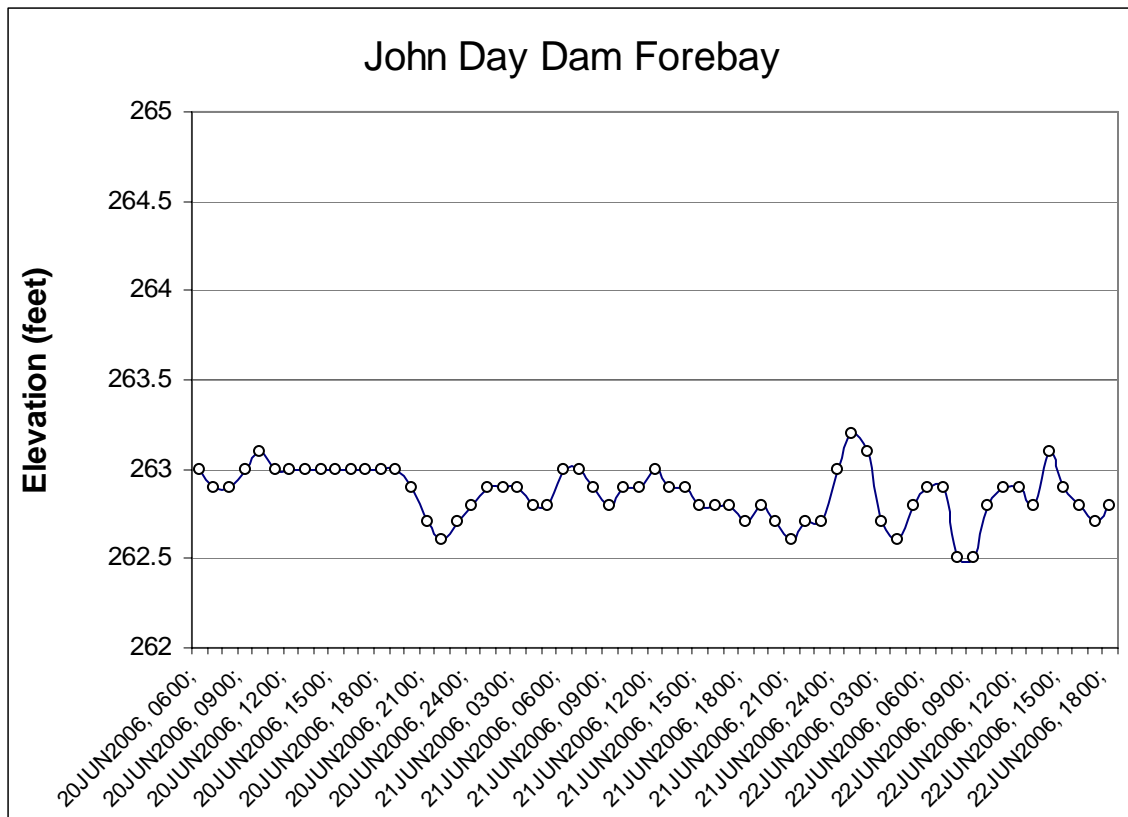


Figure 3. Observed JDA pool elevations during June 20-22, 2006 summer treaty fishing.

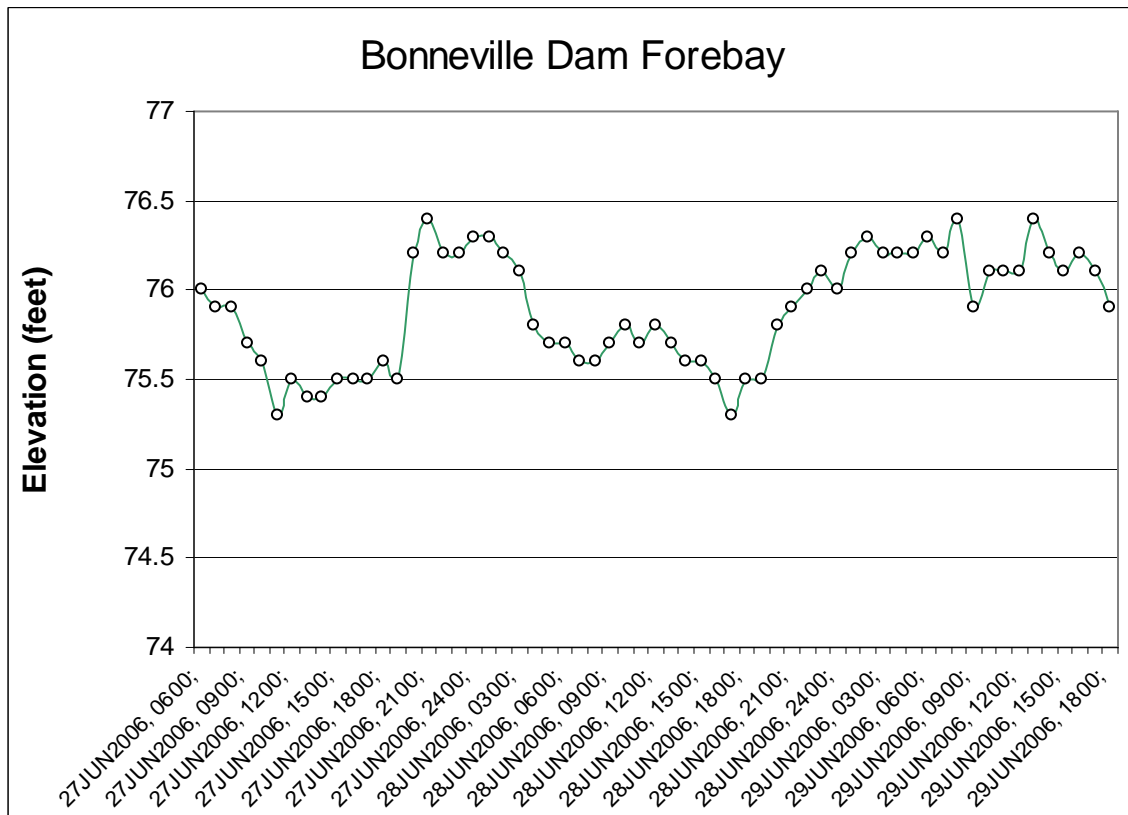


Figure 4. Observed BON pool elevations during June 27-29, 2006 summer treaty fishing.

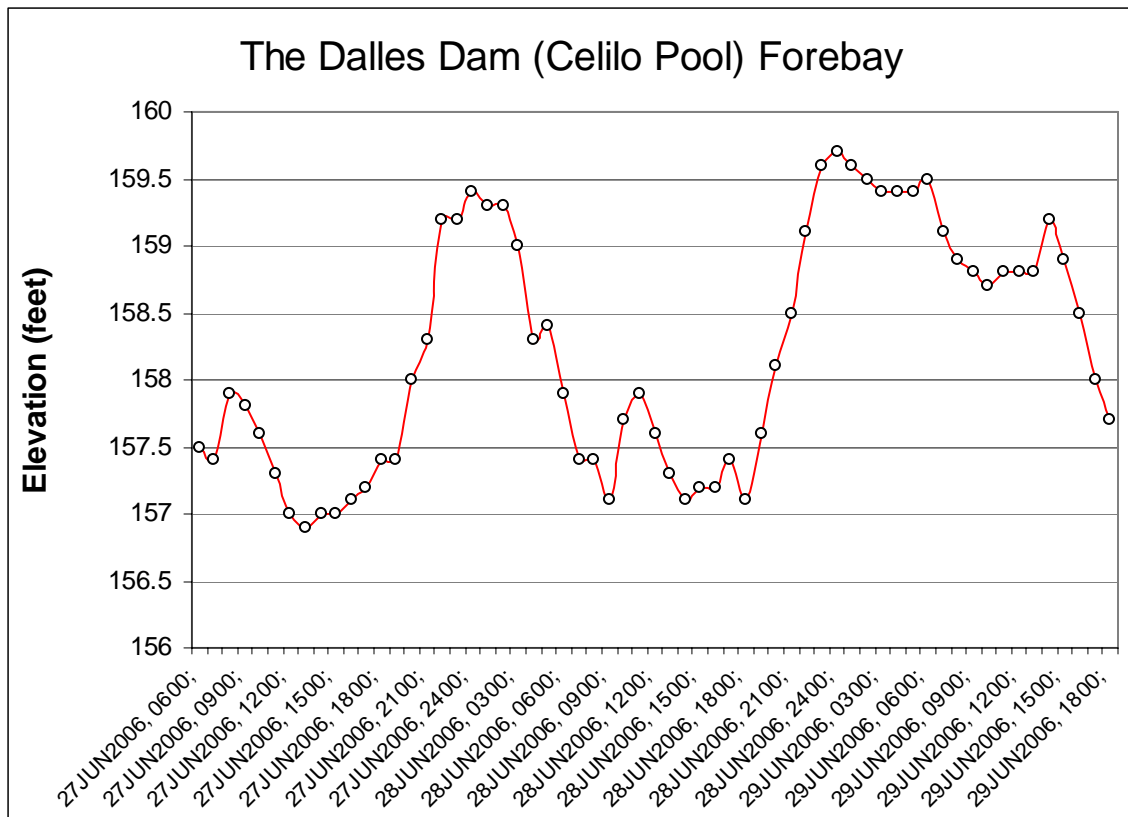


Figure 5. Observed TDA pool elevations during June 27-29, 2006 summer treaty fishing.

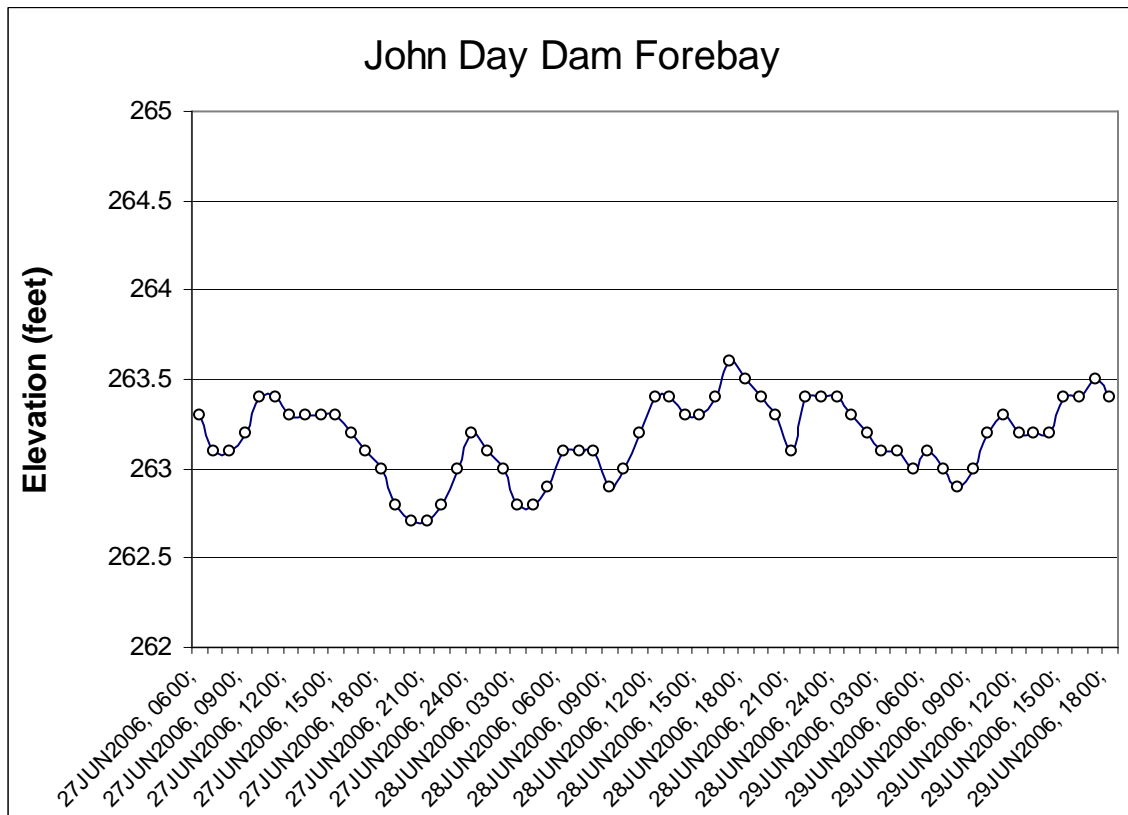


Figure 6. Observed JDA pool elevations during June 27-29, 2006 summer treaty fishing.

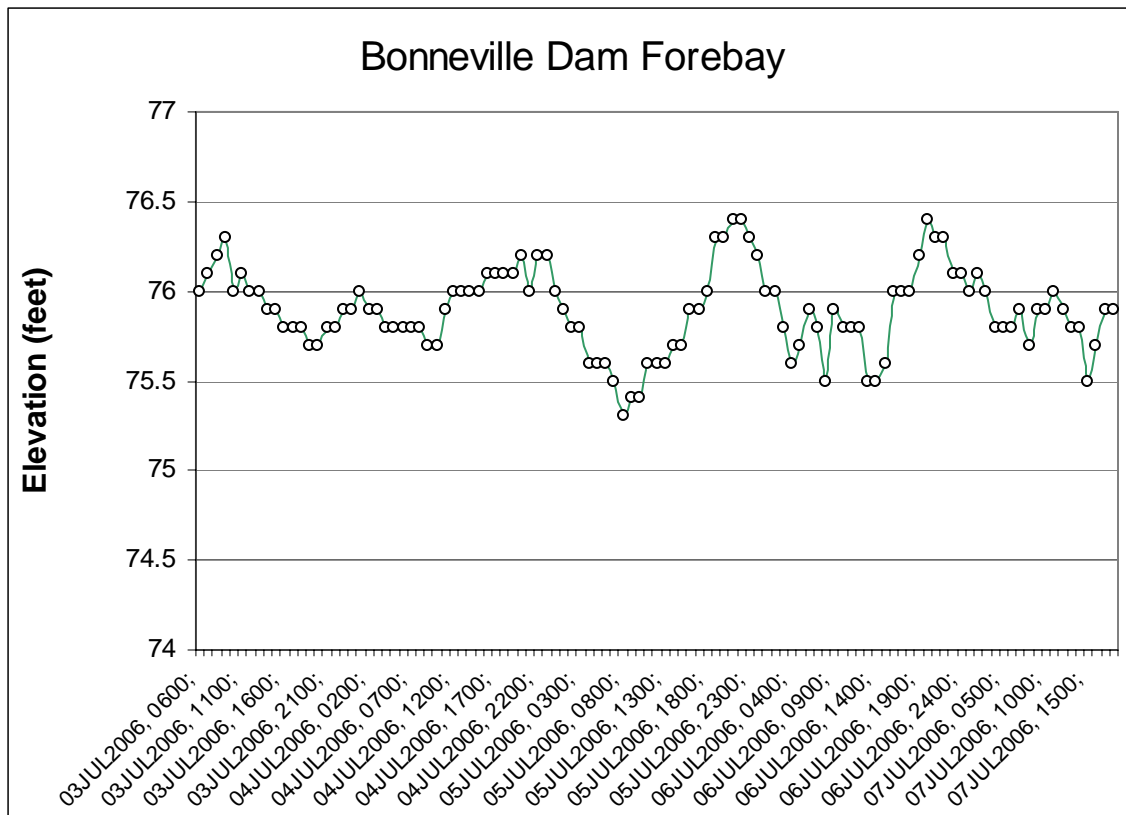


Figure 7. Observed BON pool elevations during July 3-7, 2006 summer treaty fishing.

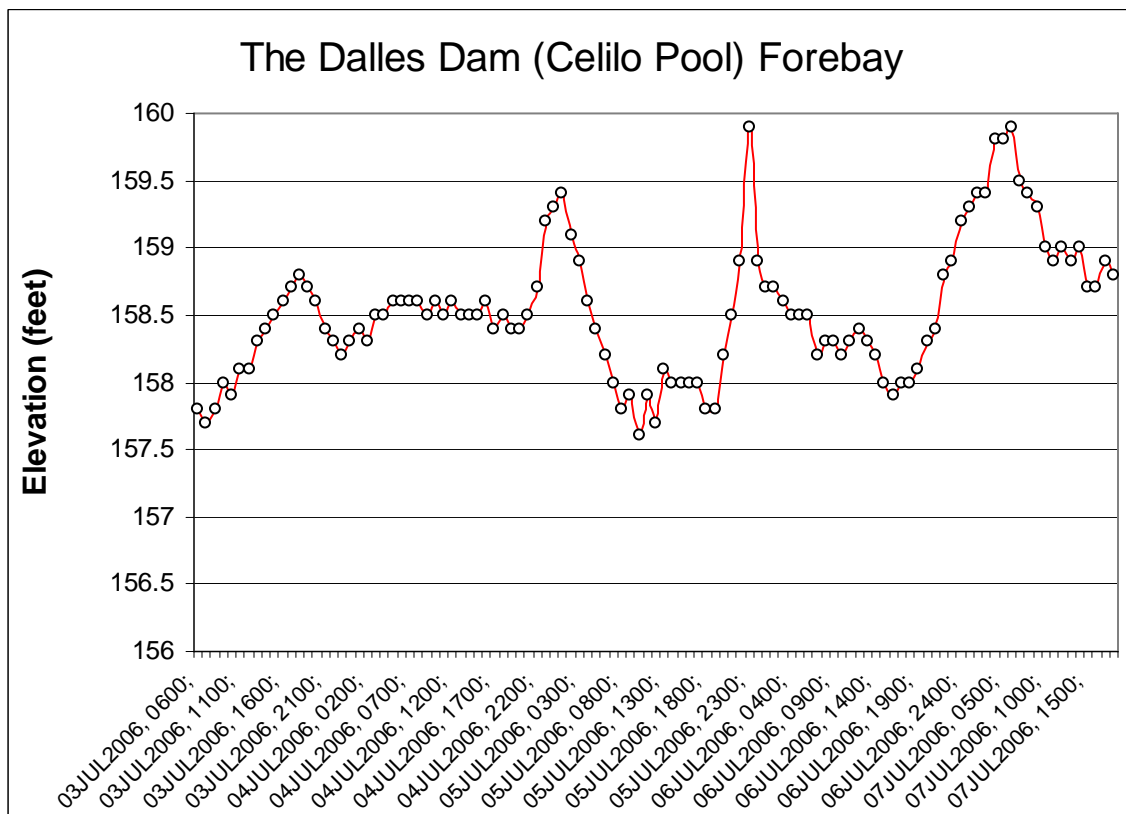


Figure 8. Observed TDA pool elevations during July 3-7, 2006 summer treaty fishing.

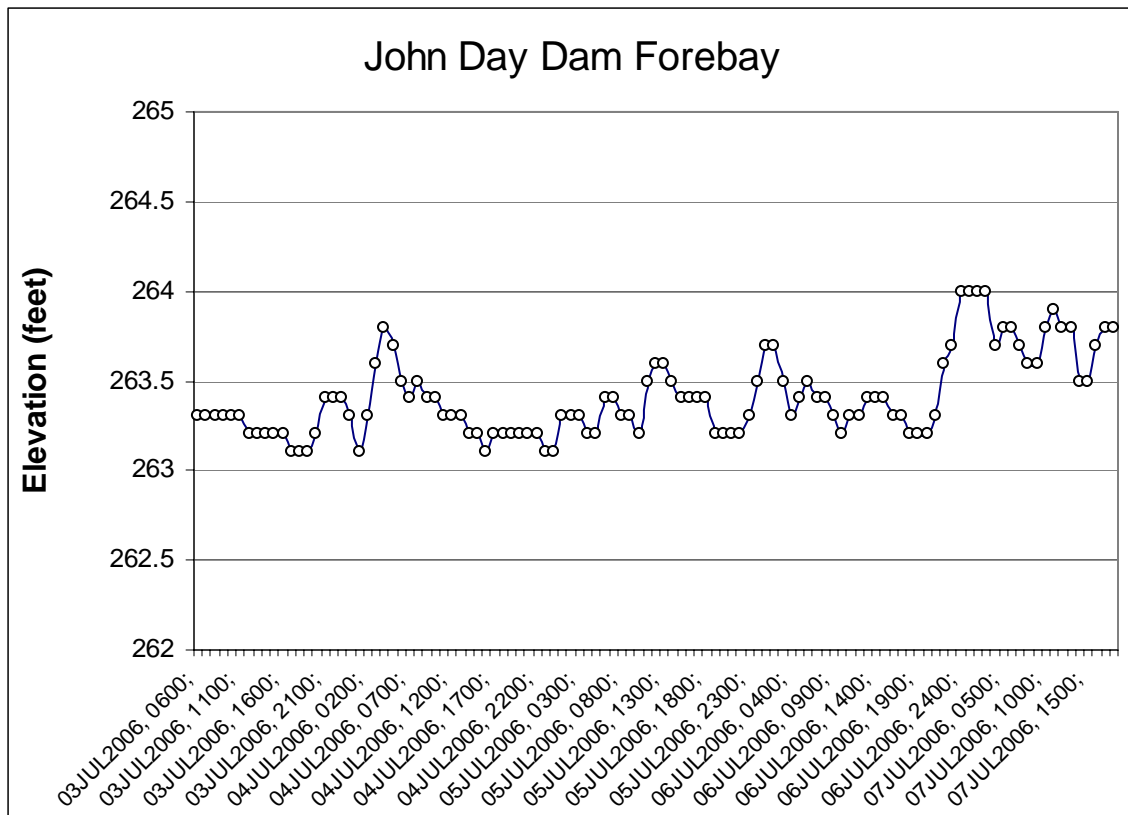


Figure 9. Observed JDA pool elevations during July 3-7, 2006 summer treaty fishing.

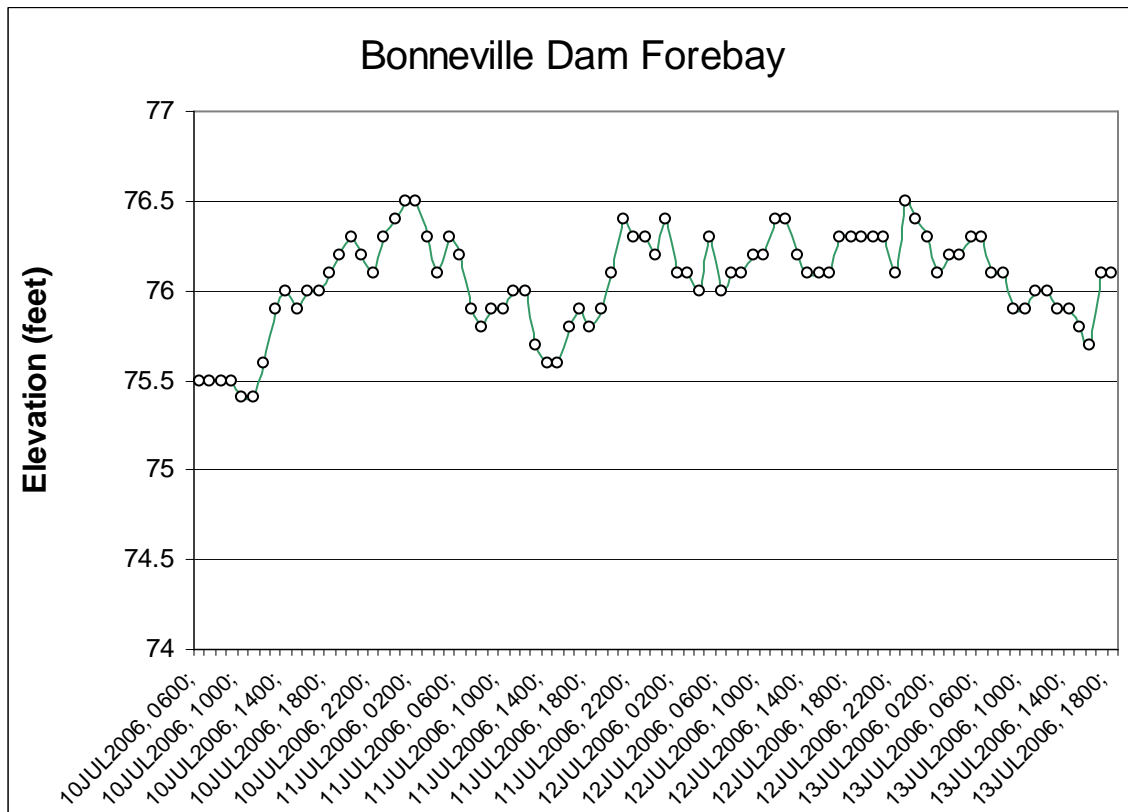


Figure 10. Observed BON pool elevations during July 10-13, 2006 summer treaty fishing.

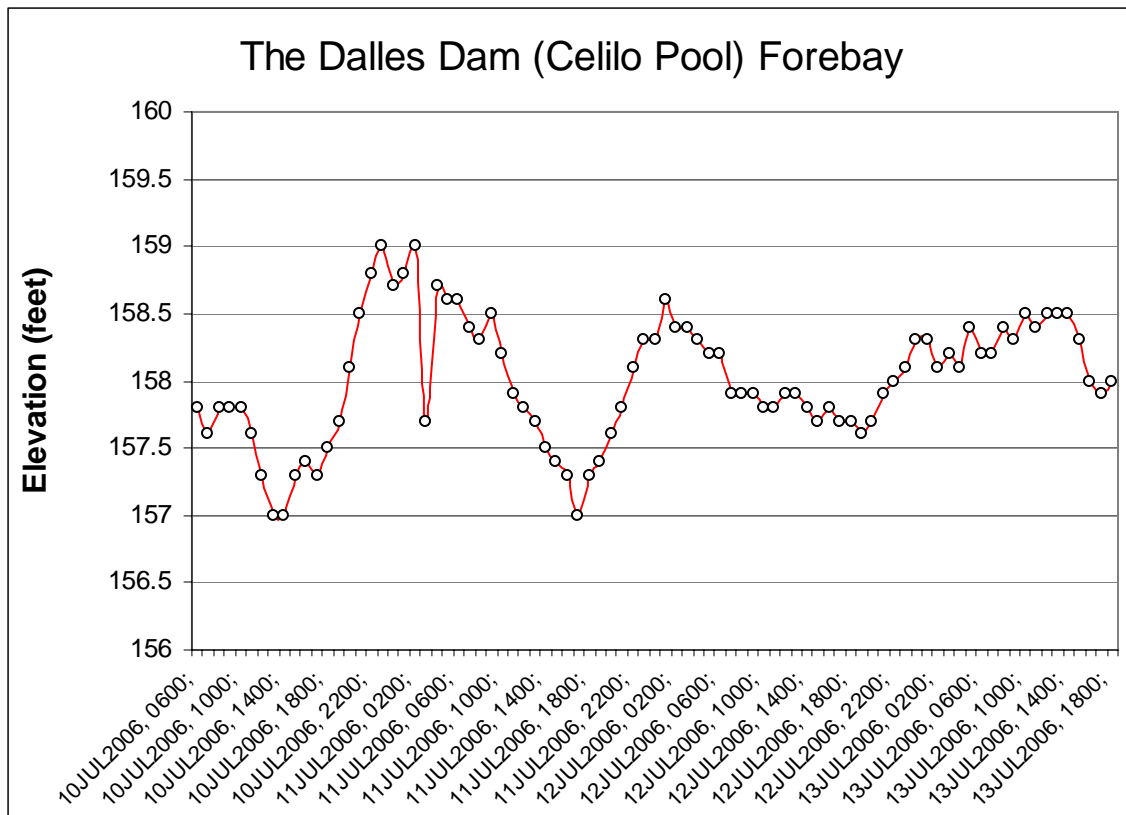


Figure 11. Observed TDA pool elevations during July 10-13, 2006 summer treaty fishing.

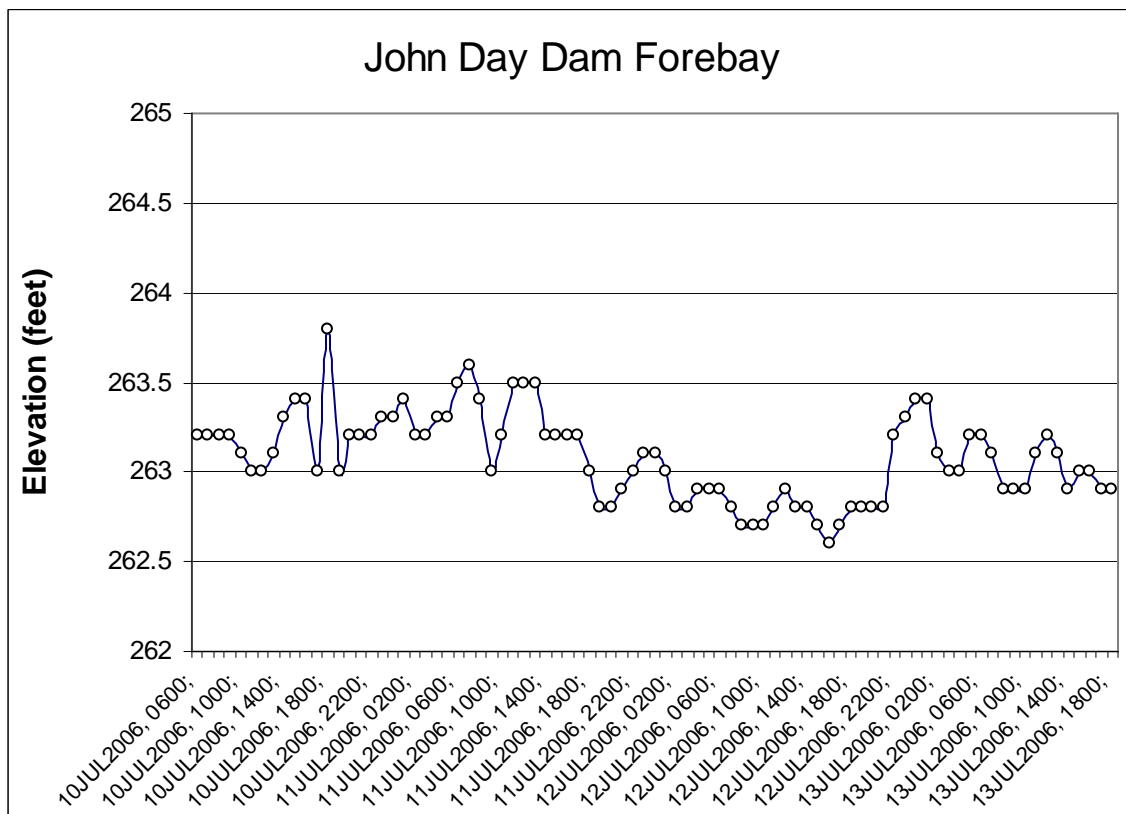


Figure 12. Observed JDA pool elevations during July 10-13, 2006 summer treaty fishing.

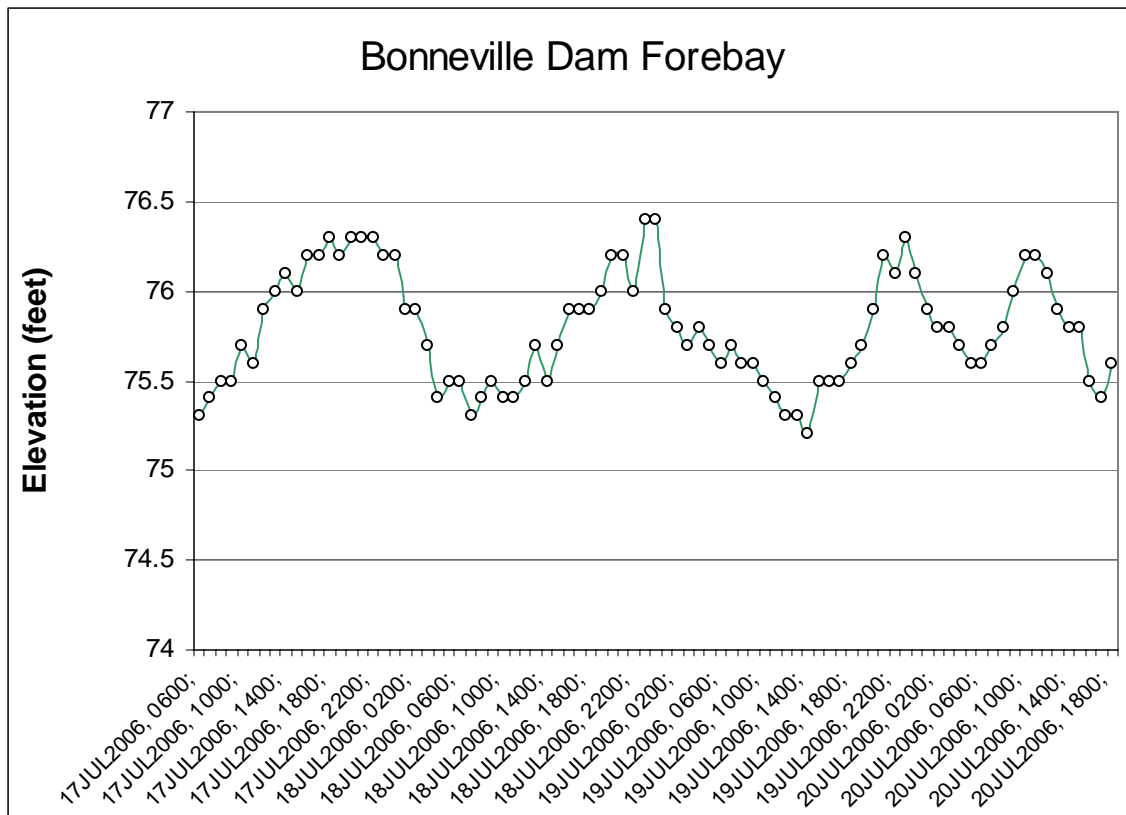


Figure 13. Observed BON pool elevations during July 17-20, 2006 summer treaty fishing.

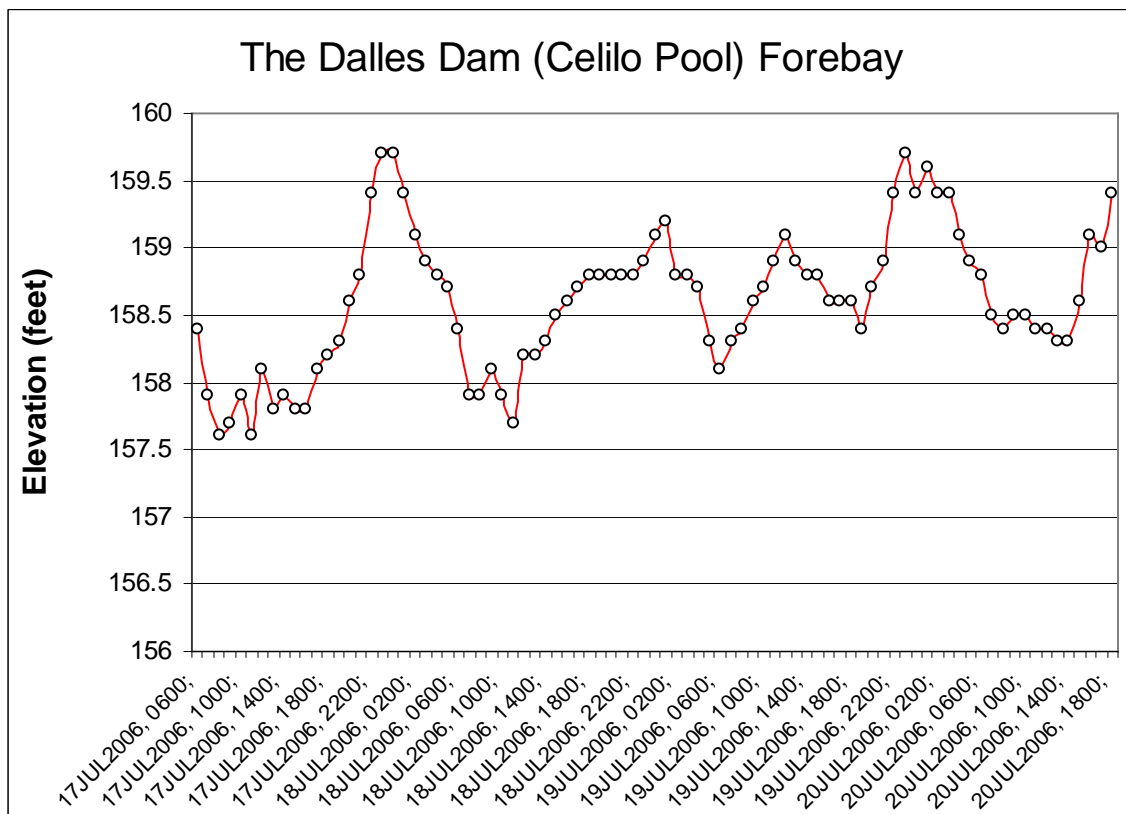


Figure 14. Observed TDA pool elevations during July 17-20, 2006 summer treaty fishing.

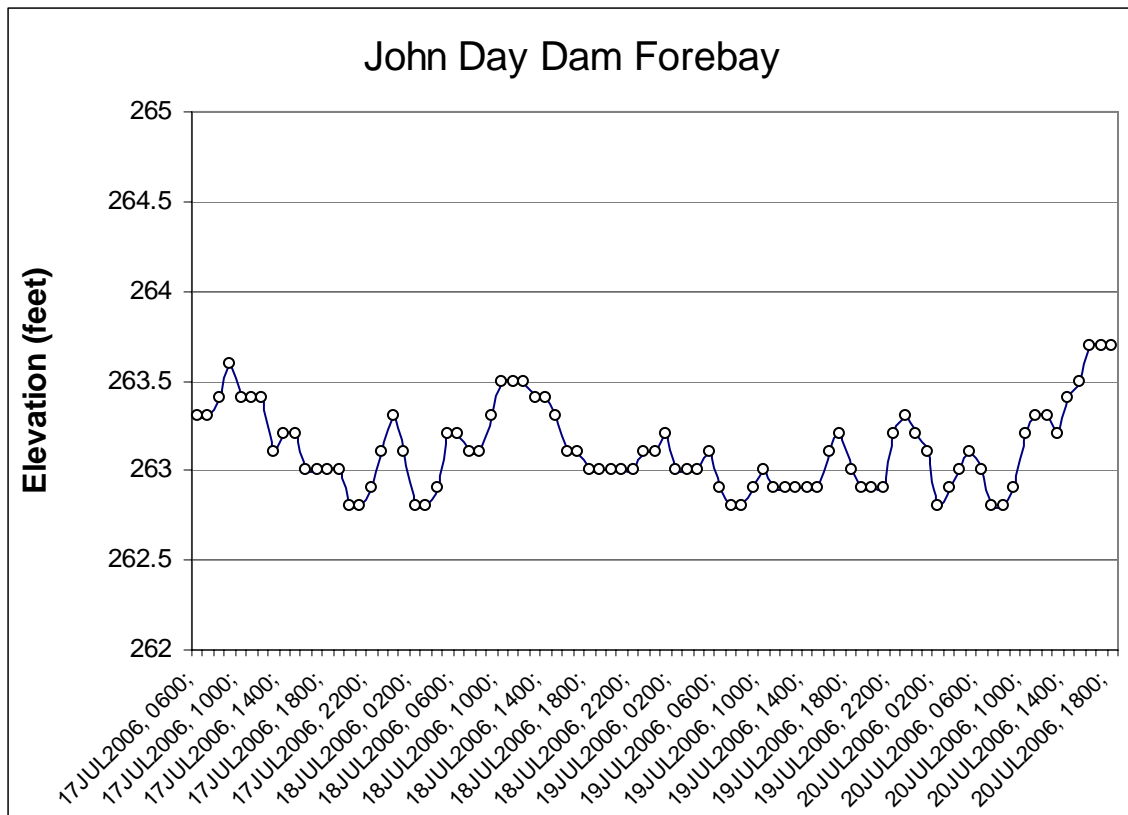


Figure 15. Observed JDA pool elevations during July 17-20, 2006 summer treaty fishing.

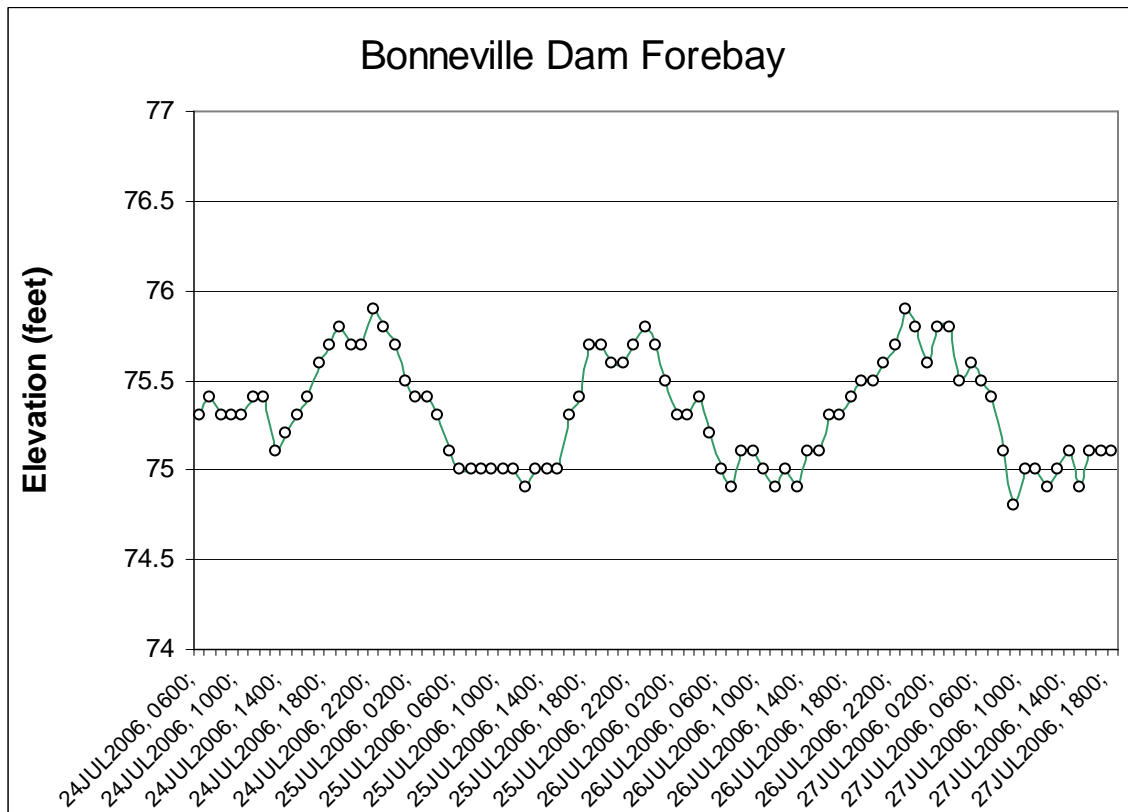


Figure 16. Observed BON pool elevations during July 24-27, 2006 summer treaty fishing.

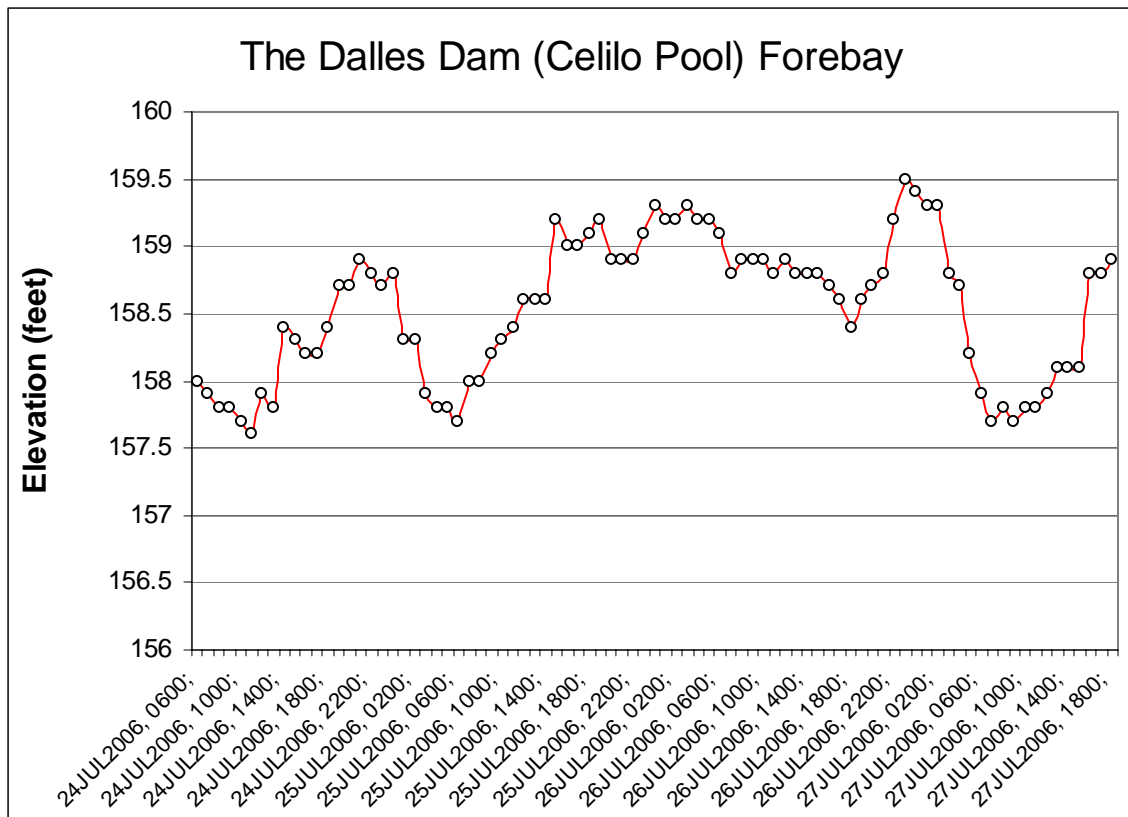


Figure 17. Observed TDA pool elevations during July 24-27, 2006 summer treaty fishing.

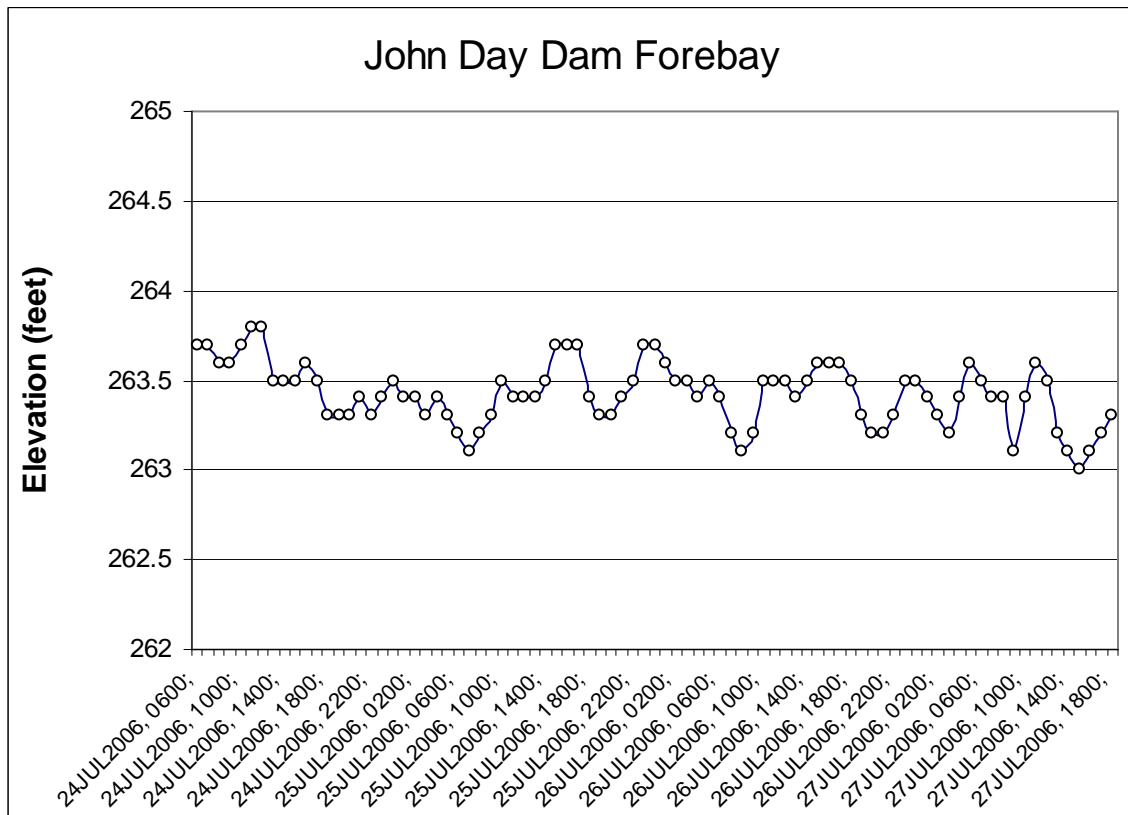


Figure 18. Observed JDA pool elevations during July 24-27, 2006 summer treaty fishing.